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(54) Title: SERINE PROTEASE INHIBITOR

(57) Abstract

The invention provides a protein which exhibits, *inter alia*, anti-thrombin activity and divalent metal cation binding activity. The protein can be readily extracted from the green-lipped mussell, *Perna canaliculus*, and formulated into foodstuffs, nutraceuticals and the like, and has a molecular weight of about 55 kDa and an amino acid sequence which includes one or more of the following: (a) DGEQCNDGQN (SEQ ID NO.1), (b) QGGHEVESERVACCVIGRA (SEQ ID NO. 2), (c) GQSHPEIVH (SEQ ID NO. 3), (d) YHGHDDA (SEQ ID NO. 4), (e) VVNEVHH (SEQ ID NO. 5)